**Individual Test Cases for Program 1**

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|  | **Inputs Given** | | **Expected Outputs** | |
| **Description of the test case** | **Velocity (km/h)** | **Acceleration (m/s/s)** | **Distance in meters** | **Distance in feet** |
| Normal test, both inputs positive | 250.9 | 4.2 | 578.252 | 1897.152 |
| Normal test, both inputs negative integers | -275 | -5 | -583.526 | -1914.456 |
| Normal test, positive velocity integer, negative acceleration float | 150 | -3.5 | -248.016 | -813.700 |
| Normal test, negative velocity float, positive acceleration integer | -437.6 | 2 | 3693.939 | 12119.220 |
| Normal test, excessive significant figures | 213.519359 | 5.672942 | 310.050 | 1017.223 |
| Normal test, large inputs | 999999 | 999999 | 38580.208 | 126575.487 |
| Error test, zero acceleration | 200 | 0 | Crashes; cannot divide by zero |  |
| Error test, invalid string inputs | Three-hundred | Six | Crashes; cannot convert string to float |  |